Index of Claims

| Ann | lication | /Contr | OI No   |  |
|-----|----------|--------|---------|--|
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10/721,038

Examiner

Porfirio Nazario-Gonzalez

Applicant(s)/Patent under Reexamination

OSINSKI ET AL.

Art Unit

1621

| √ | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
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| 0 | Objected |

| Cla   | im       |            |          |              | ]            | Date         | е  |          |              |              |     | Claim Date . |           |                      |   |          |            |                |              | _            |  |   |
|-------|----------|------------|----------|--------------|--------------|--------------|--|----------|--------------|--------------|-----|--------------|-----------|----------------------|---|----------|------------|----------------|--------------|--------------|--|---|
| Final | Original | 6/1/05     |          |              |              |              |  |          |              |              |     | Final        | Original  |                      |   |          |            |                |              |              |  |   |
|       | 1        | =          |          |              |              |              |  |          |              |              | ĺ   |              | 51        |                      |   |          |            |                |              |              |  |   |
|       | 2        | =          |          |              |              |              |  |          |              |              |     |              | 52        |                      |   |          |            |                |              |              |  | L |
|       | 3        | =          |          |              |              |              |  |          |              |              |     |              | 53        |                      |   |          |            |                |              |              |  |   |
|       | 4        | =          |          |              |              |              |  |          |              |              |     |              | 54        |                      |   |          |            |                |              |              |  |   |
|       | 5        | =          |          |              |              |              |  |          |              |              | ]   |              | 55        |                      |   |          |            |                |              |              |  |   |
|       | 6        | =          |          |              |              |              |  |          |              |              |     |              | 56        |                      |   |          |            |                |              |              |  |   |
|       | 7        | =          |          |              |              |              |  |          |              |              |     |              | 57        |                      |   |          |            |                |              |              |  | L |
|       | 8        | =          |          |              |              |              |  |          |              |              |     |              | 58        |                      |   |          |            | <u></u>        |              |              |  | L |
|       | 9        | =          |          |              |              |              |  |          | L            |              | ] [ |              | 59        |                      |   |          |            |                |              |              |  | L |
|       | 10       | =          |          |              |              |              |  |          |              |              |     |              | 60        |                      |   |          |            |                |              |              |  | L |
|       | 11       | =          |          |              |              |              |  |          |              |              |     |              | 61        |                      |   |          |            |                |              |              |  | L |
|       | 12       | =          |          |              |              |              |  |          |              |              |     |              | 62        |                      |   |          |            |                |              |              |  |   |
|       | 13       | =          |          |              |              |              |  |          |              |              |     |              | 63        |                      |   |          |            |                |              |              |  | L |
|       | 14       | =          |          |              |              |              |  |          |              |              |     |              | 64        |                      |   |          |            |                |              |              |  | L |
|       | 15       | =          |          |              |              |              |  |          |              |              |     |              | 65        |                      |   |          |            |                |              |              |  |   |
|       | 16       | =          |          |              |              |              |  |          |              |              |     |              | 66        |                      |   |          |            |                |              |              |  | L |
|       | 17       | =          |          |              |              |              |  |          |              |              |     |              | 67        |                      |   |          |            |                |              |              |  |   |
|       | 18       | =          |          |              |              |              |  |          |              |              | 1   |              | 68        |                      |   |          |            |                |              |              |  |   |
|       | 19       | =          |          |              |              |              |  |          |              |              |     |              | 69        | П                    |   |          |            |                |              |              |  |   |
|       | 20       | =          |          |              |              |              |  |          |              |              |     |              | 70        |                      |   |          |            |                |              |              |  | Ĺ |
|       | 21       | =          |          |              |              |              |  |          |              |              |     |              | 71        |                      |   |          |            |                |              |              |  | L |
|       | 22       | =          | •        |              |              |              |  |          |              |              |     |              | 72        |                      |   |          |            | L              | L            |              |  | L |
|       | 23       | Ξ          |          |              |              | <u> </u>     | <u></u>                                      |          | _            |              |     |              | 73        |                      |   |          |            | L              |              | <u></u>      |  | L |
|       | 24       | =          |          |              |              | L.           |  | 乚        |              | _            |     |              | 74        |                      |   |          |            |                | _            | _            |  | L |
|       | 25       | =          |          |              |              | L            |  | 匚        | <u>_</u>     | L            |     |              | 75        | Ш                    |   |          |            | 匚              | _            | L            |  | L |
|       | 26       | =          |          | L            |              | ļ            | <u>.                                    </u> |          | <u> </u>     |              |     |              | 76        |                      |   |          | _          | <u> </u>       | <u> </u>     | 匚            | oxdot  | L |
|       | 27       | =          | $\Box$   | L            |              | L            | <u></u>                                      | _        |              | 匚            |     |              | 77        |                      |   |          |            | <u> </u>       | <u></u>      | _            |  | L |
|       | 28       |            |          | L            | <u> </u>     | L            | _  |          |              | L.           |     |              | 78        | Ш                    |   |          |            | <u> </u>       | _            |              |  | L |
|       | 29       |            |          | _            |              | <u> </u>     | _  | 乚        |              | Ь.           |     |              | 79        | Ш                    |   |          |            | <u> </u>       | 匚            | _            | Ш  | L |
|       | 30       |            |          | _            | _            | L            | _  | <u> </u> |              | 匚            |     |              | 80        |                      |   |          | L          | L_             | <u> </u>     | <u> </u>     |  | L |
|       | 31       | <u> </u>   |          | _            | <u>_</u>     |              | <u> </u>                                     | _        | _            | <u> </u>     |     |              | 81        | Ш                    |   |          |            | _              | L.           | _            | L.   | L |
|       | 32       |            | _        | _            |              | _            | <u> </u>                                     | L        | L_           | <u> </u>     |     |              | 82        | $\perp$              |   |          | _          | _              | <u> </u>     | _            |  | L |
|       | 33       | lacksquare |          |              |              | _            | <u> </u>                                     | L        |              | <u> </u>     |     |              | 83        | Ш                    |   |          | L          | ╙              | Ļ.           | _            | L  | L |
|       | 34       | _          | _        | _            | L.           | <u> </u>     | _  | ┡        | _            | <u> </u>     |     |              | 84        |                      |   |          | <u> </u>   | <u> </u>       | _            | <u> </u>     |  | L |
|       | 35       |            |          | ļ            | <u> </u>     | <u> </u>     | ┞  | _        | <u> </u>     | <b> </b> _   |     |              | 85        | Ш                    |   | _        | L          | <del> </del>   | <u> </u>     | _            | <u> </u>   | L |
|       | 36       |            | _        | _            | _            | _            | L  | _        | L            | <u> </u>     |     |              | 86        | $\sqcup$             |   | _        | <u> </u>   | ļ_             | L.           | L            | _  | L |
|       | 37       |            |          | <u> </u>     | L            | L            | <u> </u>                                     | <u> </u> | <u> </u>     |              |     |              | 87        | Ш                    |   |          | _          | ┞              | L            | L.           | <u> </u>   | L |
|       | 38       |            | _        | _            | _            | <u> </u>     | <u> </u>                                     | ┞        | ⊢            | <u> </u>     |     |              | 88        | $\vdash$             | _ |          | _          | ┞              | <u> </u>     | ┞            | ļ.,  | L |
|       | 39       | <u> </u>   | L        | <u> </u>     | _            | <b>!</b>     | ╙  | 1        | L.           | <u> </u>     |     |              | 89        | $\sqcup$             | _ |          | _          | ┡              | <u> </u>     | L            | <u> </u>   | L |
|       | 40       | _          |          | <u> </u>     | <u> </u>     | ⊢            | <u> </u>                                     | ╙        | <u> </u>     | _            |     |              | 90        |                      |   |          | _          | ┡              | <u> </u>     | ┡            | _  | L |
|       | 41       | -          | $\vdash$ | <u> </u>     | $\vdash$     | -            | $\vdash$                                     | -        | <b>—</b>     | _            |     |              | 91        | ${oxdot}$            |   |          | -          | <del>  -</del> | _            | ├-           |  | H |
|       | 42       | <u> </u>   | <u> </u> | <del> </del> | <b> </b>     | <u> </u>     | -  | -        | ├            |              |     |              | 92        | ${oldsymbol{arphi}}$ |   | _        | _          | ₩              | <u> </u>     | ⊢            | $\vdash$   | L |
|       | 43       | <b> </b>   | $\vdash$ | <u> </u>     | -            | -            | <u> </u>                                     | -        | _            | -            |     |              | 93        | $\vdash$             |   |          | $\vdash$   | $\vdash$       | -            | ⊢-           | <del>                                     </del> | H |
|       | 44       | -          | -        | -            |              | -            | -  | -        | -            | -            |     |              | 94        | $\vdash \vdash$      | _ | _        | ⊢          | ├-             | $\vdash$     | ⊢            | -  | H |
|       | 45       | -          | $\vdash$ | $\vdash$     | <del> </del> | _            |  | ├-       | <del> </del> | <del> </del> |     |              | 95        | $\vdash \vdash$      |   | -        | <b> </b> - | ├-             | <del> </del> | <del> </del> | $\vdash$   | H |
|       | 46       | -          | <u> </u> | <u> </u>     | $\vdash$     | <del> </del> | -  | $\vdash$ | ⊢-           | -            |     |              | 96        | $\vdash$             |   | _        | <u> </u>   | ├-             | 1—           | $\vdash$     | $\vdash$   | H |
|       | 47       | <b>-</b> - | -        | -            | ├            |              | <del> </del>                                 | ⊢        | $\vdash$     | <del> </del> |     |              | 97        | $\vdash$             |   | <u> </u> | ├          | ├              | <del> </del> | $\vdash$     | $\vdash$   | H |
|       | 48       |            | $\vdash$ | $\vdash$     | ⊢            | $\vdash$     | <del> </del>                                 | ⊢        |              | -            |     |              | 98        | $\vdash$             |   | <u> </u> | ⊢          | ⊢              | $\vdash$     | ├-           | $\vdash$   | H |
|       | 49<br>50 | $\vdash$   |          | _            | ├—           |              |  | -        | -            | -            |     |              | 99<br>100 | $\vdash$             | - | _        | -          | $\vdash$       | ⊢            | ⊢            |  | H |
|       |          |            |          |              |              |              |  |          | 1            | 1            | . 1 | ı            | i TUU     |                      |   | 1        | ı          | 1              |              |              |  |   |

| Cla      | Date                             |               |  |              |              |  |              |              |                                     |          |  |
|----------|----------------------------------|---------------|--|--------------|--------------|--|--------------|--------------|-------------------------------------|----------|--|
|          |                                  |               |  |              |              |  |              |              |                                     |          |  |
| <u>a</u> | Original                         |               |  |              |              |  |              |              |                                     |          |  |
| Final    | rig                              |               |  |              |              |  |              |              |                                     |          |  |
| -        | 0                                |               |  |              |              |  |              |              |                                     |          |  |
|          | 51                               |               | $\vdash$   |              | _            |  |              | _            |                                     | _        |  |
|          | 51<br>52                         | H             | ┝  | -            | _            | H  | _            | _            | Н                                   | $\vdash$ |  |
|          | 52                               |               | ⊢  | -            | _            | _  | _            | _            | -                                   |          |  |
|          | 53                               | -             | ⊢  | $\vdash$     |              | H  | _            |              |                                     |          |  |
| $\vdash$ | 53<br>54<br>55                   | -             | ⊢  | $\vdash$     |              | <u> </u>   |              |              |                                     |          |  |
| -        | 55                               | _             | ├  | $\vdash$     | _            | ⊢  | _            | -            | Н                                   | _        |  |
| <b>—</b> | 56<br>57                         | _             | ├-   | <u> </u>     | _            | <u> </u>   |              |              | Н                                   | _        |  |
|          | 57                               |               | ⊢  | ├            | _            | _  | Ľ            | _            | H                                   | _        |  |
| <u> </u> | 58<br>59                         | <u> </u>      | ┡  | L            |              | <u> </u>   | _            | _            | Ш                                   | _        |  |
| <u> </u> | 59                               |               | <u> </u>   |              |              | <u> </u>   | L.           |              |                                     |          |  |
|          | 60<br>61<br>62<br>63             |               | <u> </u>   | _            |              | _  | _            | _            |                                     |          |  |
| <u></u>  | 61                               |               | _  |              |              | _  |              |              |                                     |          |  |
| <u></u>  | 62                               |               | _  |              |              |  |              |              |                                     |          |  |
| L        | 63                               |               | L  |              |              |  | L            |              | L                                   |          |  |
|          | 64<br>65<br>66                   |               |  | L            |              | $oxedsymbol{oxed}$                               |              | _            |                                     | L        |  |
|          | 65                               |               |  |              |              | L  | Ĺ            |              |                                     |          |  |
|          | 66                               |               |  |              |              |  |              |              |                                     |          |  |
|          | 67                               |               | Г  |              |              |  |              |              |                                     |          |  |
|          | 68                               |               |  |              |              |  |              |              |                                     |          |  |
|          | 69                               |               |  |              |              |  |              |              |                                     |          |  |
| 1        | 70                               | Т             | _  |              |              |  |              |              |                                     |          |  |
| <b></b>  | 68<br>69<br>70<br>71             |               |  |              |              |  |              |              |                                     |          |  |
|          | 72                               |               | Г  |              |              | Г  |              | Т            |                                     |          |  |
|          | 72<br>73<br>74<br>75<br>76<br>77 | $\overline{}$ |  | $\vdash$     |              |  |              |              |                                     |          |  |
|          | 74                               | $\vdash$      | T  |              |              |  |              |              |                                     |          |  |
|          | 75                               |               |  |              |              |  |              |              |                                     |          |  |
| <b></b>  | 76                               |               |  |              |              | Г  |              |              | _                                   |          |  |
|          | 77                               |               | $\vdash$   |              |              |  | $\vdash$     | $\vdash$     |                                     |          |  |
|          | 78                               | _             | Г  |              |              |  | $\vdash$     | $\vdash$     |                                     |          |  |
|          | 78<br>79                         | _             | _  |              | _            | _  |              | <u> </u>     |                                     |          |  |
|          | 80                               | _             |  |              | _            | <del>                                     </del> | Г            |              |                                     |          |  |
| <b>—</b> | 80<br>81<br>82                   |               | T  |              |              | -  | $\vdash$     | $\vdash$     |                                     |          |  |
| <b>—</b> | 82                               | $\vdash$      | ┢  | ┢            |              | $\vdash$   | ┢╌           | _            |                                     |          |  |
|          | 83                               | -             | $\vdash$   | $\vdash$     |              |  | _            | -            | -                                   |          |  |
| -        | 84                               | $\vdash$      | -  | $\vdash$     | $\vdash$     | $\vdash$   | Η-           | <del> </del> | $\vdash$                            |          |  |
| -        | 84<br>85                         | -             | 1  | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$     | -            | <del> </del>                        | -        |  |
| -        | 88                               | $\vdash$      | ╁  | ├-           | $\vdash$     | -  | -            | -            | $\vdash$                            | -        |  |
| -        | 86<br>87                         | -             | <del>                                     </del> | $\vdash$     | ┢─           |  |              | -            | $\vdash$                            | -        |  |
| -        | 88                               | 1             | ₩  |              | <del> </del> | -  | $\vdash$     | $\vdash$     | ┝                                   | $\vdash$ |  |
| -        | 00                               | $\vdash$      | -  | -            | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$     | -                                   | -        |  |
| <u> </u> | 89<br>90                         | $\vdash$      | $\vdash$   | -            | $\vdash$     | -  | -            | ⊢            | ├                                   | -        |  |
| <u> </u> |                                  | ļ             | <del> </del>                                     | <del> </del> | <u> </u>     | $\vdash$   | $\vdash$     | $\vdash$     | ├                                   | $\vdash$ |  |
|          | 91                               | $\vdash$      |  | -            | <u> </u>     | ├-   | $\vdash$     | ├            | <del>  -</del>                      | <u> </u> |  |
| <u> </u> | 92                               | <u> </u>      | ₩  | -            | <u> </u>     | <u> </u>   | $\vdash$     | $\vdash$     | $\vdash$                            | $\vdash$ |  |
| <u> </u> | 93                               | <u> </u>      | <u> </u>   | ⊢            | <u> </u>     | <u> </u>   | <u> </u>     | ├            | ├-                                  |          |  |
| <u> </u> | 94                               | <u> </u>      | <b>—</b>   | <u> </u>     | $\vdash$     | <u> </u>   | <u> </u>     | Ь            | <b> </b> _                          | L_       |  |
|          | 95                               | <u> </u>      | L  |              | <u> </u>     | <u> </u>   | <u> </u>     | <u> </u>     | ╙                                   | _        |  |
|          | 96                               | L_            | L.   | _            | L.           | <u> </u>   | _            | <u> </u>     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | 匚        |  |
|          | 97                               | L_            | <u> </u>   |              | <u>L</u>     |  | <u></u>      | 匚            | Ш                                   | L        |  |
| L        | 98                               | L             | _  |              | L            | Ц_   | $\vdash$     | <u> </u>     | $ldsymbol{f eta}$                   |          |  |
| L        | 99                               | L             | _  | L            | L_           | <u> </u>   | $oxed{oxed}$ | L            |                                     | <u></u>  |  |
| 1        | 100                              |               | 1  | ı            | I -          | 1  | I _          | I            |                                     |          |  |

| Cl    | aim                             | Date     |          |  |          |          |          |          |          |                 |  |
|-------|---------------------------------|----------|----------|--|----------|----------|----------|----------|----------|-----------------|--|
| - Cli |                                 | _        |          |  |          | Jack     |          |          |          | $\dashv$        |  |
| Final | Original                        |          |          |  |          |          |          |          |          |                 |  |
|       | 101<br>102<br>103               |          |          |  |          |          |          |          |          |                 |  |
|       | 102                             |          | Ш        |  |          | L.       |          |          |          |                 |  |
|       | 103                             | _        | Ш        |  |          |          |          | _        |          |                 |  |
|       | 104                             |          | Н        |  |          |          |          |          | ш        |                 |  |
|       | 105<br>106                      |          | $\vdash$ | _  |          | -        | _        |          | $\vdash$ |                 |  |
|       | 107                             | Н        | $\vdash$ |  |          |          | _        | _        | Н        | -               |  |
|       | 108                             |          | $\vdash$ |  |          |          |          | _        |          |                 |  |
|       | 109                             | _        |          |  |          |          |          |          |          | $\neg$          |  |
|       | 110                             |          |          |  |          |          |          |          |          | $\neg$          |  |
|       | 111                             |          |          |  |          |          |          |          |          |                 |  |
|       | 112                             |          |          |  |          |          |          |          |          |                 |  |
|       | 113                             |          |          |  |          |          |          |          |          |                 |  |
|       | 113<br>114<br>115               | L        |          |  |          | <u> </u> |          |          | L.       | Щ               |  |
|       | 115                             | <u> </u> |          |  | _        | <b>-</b> | -        | -        | Ш        | Ш               |  |
|       | 116<br>117                      | H        | $\vdash$ | _  | -        | $\vdash$ | <u> </u> | $\vdash$ | Н        | $\vdash$        |  |
|       | 118                             | $\vdash$ | _        |  | _        | $\vdash$ |          | -        | $\vdash$ | $\vdash$        |  |
|       | 119                             | $\vdash$ |          |  |          |          |          |          |          |                 |  |
|       | 120                             |          |          |  |          |          |          | _        | Н        | $\dashv$        |  |
|       | 121                             |          |          |  |          |          |          |          |          | $\dashv$        |  |
|       | 119<br>120<br>121<br>122<br>123 |          |          |  |          |          |          |          |          | П               |  |
|       | 123                             |          |          |  |          |          |          |          |          |                 |  |
|       | 124<br>125<br>126               |          |          |  |          |          |          |          |          |                 |  |
|       | 125                             |          |          |  |          |          |          | _        |          | Щ               |  |
|       | 126                             |          |          | _  |          | _        |          | _        | _        |                 |  |
|       | 127<br>128<br>129               | _        |          | _  | _        | _        |          | _        |          | Н               |  |
|       | 120                             |          | _        | _  | _        | -        |          |          | H        | Н               |  |
|       | 130                             |          | -        |  | _        | H        | -        | _        | H        | $\dashv$        |  |
|       | 130<br>131                      | H        |          |  |          |          |          |          | H        | Н               |  |
|       | 132                             |          |          |  |          |          |          |          | $\vdash$ |                 |  |
|       | 132<br>133                      |          |          |  |          |          |          |          |          |                 |  |
|       | 134                             |          |          |  |          |          |          |          |          |                 |  |
|       | 135<br>136                      | L        | L.       | $ldsymbol{ld}}}}}}$ | L        | <u> </u> |          |          | <u> </u> | Ш               |  |
|       | 136                             |          | L        | L  | <u> </u> | _        | <u>L</u> | L        | <u> </u> | Ш               |  |
|       | 137                             | H        | <u> </u> | _  | L        | -        | <u> </u> | _        |          | $\vdash \dashv$ |  |
|       | 138<br>139                      | <u> </u> | ⊢        |  | <u> </u> | -        | -        | -        | $\vdash$ | Н               |  |
|       | 140                             | $\vdash$ | -        | $\vdash$   | $\vdash$ | -        | -        | -        | $\vdash$ | $\vdash \vdash$ |  |
|       | 141                             | -        | _        | $\vdash$   | $\vdash$ | -        | -        | $\vdash$ |          | $\vdash$        |  |
|       | 142                             | H        | Н        | H  | -        | Н        | $\vdash$ | -        | $\vdash$ | H               |  |
|       | 143                             | Г        | Т        | П  |          |          | Τ        | $\vdash$ |          | М               |  |
|       | 144                             |          |          |  |          |          |          | L        |          |                 |  |
|       | 145                             |          |          |  |          |          |          |          |          |                 |  |
|       | 146                             |          | L        | L  | _        | $\vdash$ | L        | _        | ļ        | Ш               |  |
|       | 147                             | _        | $\vdash$ | L  | ļ        | _        | <u> </u> | _        | _        | $\vdash \dashv$ |  |
|       | 148                             | _        | $\vdash$ | H  | Ŀ        | <u> </u> | _        | $\vdash$ | $\vdash$ | $\vdash \vdash$ |  |
|       | 149                             | $\vdash$ | H        | -  | _        | $\vdash$ | <u> </u> | $\vdash$ | -        | Н               |  |
|       | 150                             |          | L        | L  |          | Ш        | L.       | Ц.       | L        | Ш               |  |